

ABSTRACT

A method for allowing a mobile station (MS) to dynamically adjust its T_ADD_R and T_DROP_R pilot signal strength thresholds (established by pilot E_c/I_o values) used to add or drop pilots from the MS's active set during rescue. Dynamic adjustment of T_ADD_R and T_DROP_R allows the MS to select and add BSs (sectors) with sufficient forward link quality into their active sets and drop BSs (sectors) with poorer forward link quality during a call recovery procedure to recover an active connection before it is dropped. In addition, the effectiveness of recovering an active connection is improved through corresponding actions at the BS. The BS may use the signal strength measurements, active set information, and other pilot information to update its own active set for use in generating a forward rescue channel.

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